

INTERNATIONAL SEARCH REPORT

International Application No

.../DK2004/000630

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68 C12N15/10 C12P1/00 C07B61/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q C12N C12P C07B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | WO 03/025567 A (BERNARD, ANDRE; DUEBEL, STEFAN) 27 March 2003 (2003-03-27) | 63-68 |
| A | figures 1,2 | 1-62 |
| X | WO 02/103008 A (NUEVOLUTION A/S; PEDERSEN, HENRIK; GOUILAEV, ALEX, HAAHR; SAMS, KLARNE) 27 December 2002 (2002-12-27) | 63-68 |
| A | figures 3-6 | 1-62 |
| X | WO 00/32823 A (PHYLOS, INC) 8 June 2000 (2000-06-08) | 63-68 |
| A | page 1 - page 21; figures 1-20 | 1-62 |
| X | WO 02/083951 A (NORTHEASTERN UNIVERSITY; GIESE, ROGER, W) 24 October 2002 (2002-10-24) | 63-68 |
| A | figures 2,3 | 1-62 |
| | ----- -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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/DK2004/000630

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | WO 00/23458 A1 (THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY) 27 April 2000 (2000-04-27) the whole document ----- | 1-68 |
| A | WO 01/53539 A (PHYLOS, INC) 26 July 2001 (2001-07-26) the whole document ----- | 1-68 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

151/DK2004/000630

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| WO 03025567 | A | 27-03-2003 | DE 10145226 A1 | 10-04-2003 |
| | | | WO 03025567 A2 | 27-03-2003 |
| | | | DE 10294286 D2 | 23-12-2004 |
| WO 02103008 | A | 27-12-2002 | CA 2451524 A1 | 27-12-2002 |
| | | | WO 02103008 A2 | 27-12-2002 |
| | | | WO 02102820 A1 | 27-12-2002 |
| | | | EP 1402024 A2 | 31-03-2004 |
| | | | EP 1401850 A1 | 31-03-2004 |
| | | | JP 2004535193 T | 25-11-2004 |
| | | | US 2003143561 A1 | 31-07-2003 |
| | | | US 2004049008 A1 | 11-03-2004 |
| | | | WO 03078625 A2 | 25-09-2003 |
| | | | WO 03078445 A2 | 25-09-2003 |
| | | | WO 03078626 A2 | 25-09-2003 |
| | | | WO 03078050 A2 | 25-09-2003 |
| | | | WO 03078446 A2 | 25-09-2003 |
| | | | WO 03078627 A2 | 25-09-2003 |
| | | | EP 1487978 A2 | 22-12-2004 |
| | | | EP 1487848 A2 | 22-12-2004 |
| | | | EP 1487849 A2 | 22-12-2004 |
| | | | EP 1487850 A2 | 22-12-2004 |
| | | | EP 1487851 A2 | 22-12-2004 |
| | | | EP 1490384 A2 | 29-12-2004 |
| WO 0032823 | A | 08-06-2000 | AU 775997 B2 | 19-08-2004 |
| | | | AU 2350900 A | 19-06-2000 |
| | | | CA 2350417 A1 | 08-06-2000 |
| | | | EP 1137812 A1 | 04-10-2001 |
| | | | JP 2002531105 T | 24-09-2002 |
| | | | NO 20012735 A | 23-07-2001 |
| | | | NZ 511699 A | 28-02-2003 |
| | | | WO 0032823 A1 | 08-06-2000 |
| | | | US 2002177158 A1 | 28-11-2002 |
| | | | US 6416950 B1 | 09-07-2002 |
| WO 02083951 | A | 24-10-2002 | WO 02083951 A1 | 24-10-2002 |
| WO 0023458 | A1 | 27-04-2000 | AU 1318400 A | 08-05-2000 |
| | | | CA 2346989 A1 | 27-04-2000 |
| | | | EP 1123305 A1 | 16-08-2001 |
| WO 0153539 | A | 26-07-2001 | AU 2927901 A | 31-07-2001 |
| | | | CA 2396810 A1 | 26-07-2001 |
| | | | EP 1250463 A1 | 23-10-2002 |
| | | | JP 2003520050 T | 02-07-2003 |
| | | | WO 0153539 A1 | 26-07-2001 |
| | | | US 2003032049 A1 | 13-02-2003 |
| | | | US 2001024784 A1 | 27-09-2001 |